COMMUNITY EDUCATION

SUMMER/FALL 2020

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Arts and Music

CREATING ART LIKE THE MASTERS (430)
This course reviews eight renowned art masters from art history – including Matisse, Picasso and O’Keeffe. Students will be encouraged to imitate the style of each artist, as taught in class, and to experiment with each artist’s techniques while developing a masterpiece of their own. No art experience is required.

Instructor: Viviana Leija-Sysak is a visual artist who has worked in television production and as an art instructor in a variety of media, from drawing to video animation.

Class requirements: Tablet, laptop or desktop computer with internet capability; watercolor pad with at least 10 pages; watercolor set with primary colors plus black; construction paper in a variety of colors; at least one brush; pencil (any type); eraser (any type); scissors and a glue stick. Must be age 18 or older.

Cost: $165

Dates and times: Aug. 21 and 28, Sept. 4, 11, 18 and 25, Oct. 2 and 9 (eight Fridays), 6-7 p.m.

FEMALE ARTISTS AND THEIR LEGACIES (550)
Women have always been involved in the creation of art – as artists, patrons, collectors, historians, critics and sources of inspiration. This class will explore the art of extraordinary women from different eras. Students will also have the opportunity to create a project based on a famous artist’s style and techniques. No experience necessary.

Instructor: Viviana Leija-Sysak is a visual artist who has worked in television production and as an art instructor in a variety of media, from drawing to video animation.

Class requirements: Tablet, laptop or desktop computer with internet capability; drawing paper (sketchbook or at least 20 loose pages of white paper); graphic pencil (4B is recommended but a regular school pencil will do); eraser; sharpener; 12-inch ruler; markers (primary colors plus black). Must be age 18 or older.

Cost: $165

Dates and times: Oct. 16, 23 and 30, Nov. 6, 13 and 20, Dec. 4 and 11 (eight Fridays; no class on Nov. 27), 6-7 p.m.

YOU CAN PLAY GUITAR! (370)
Learn the basics of playing the guitar, including right- and left-hand technique, strumming chords and playing melodies. Students will learn to play simple blues, rock and folk songs. This is an absolute beginner’s course, with no experience necessary. This course is also recommended for students who have some playing skills but no formal instruction.

Instructor: Rich Hawthorne has been a Bay Area guitar instructor for more than 20 years. He is the co-author of “I’ve Always Wanted to Play Guitar.”

Class requirements: Tablet, laptop or desktop computer with internet capability. Must be age 14 or older. Students under 18 must take this class with an adult who has also registered. Each student will need an electric or acoustic guitar. Guitars can be rented from the instructor for $35. To rent a guitar, please contact the instructor at least one week before class starts, at rhguitarist@sbcglobal.net.

Cost: $119

Materials fee: $25 book fee payable to the instructor.

Dates and times: Sept. 12, 19 and 26, Oct. 3, 10 and 17 (six Saturdays), 4:35-5:35 p.m.

YOU CAN PLAY UKULELE! (390)
The popularity of the ukulele has grown tremendously over the years. Since it is an easy instrument to learn, it can be quickly rewarding. This class will provide the tools and guidance to start playing with relative ease, even if a student has no musical background. During the course, students will learn how to hold and tune a ukulele, along with basic chords and melodies, fingerings, rhythm and tempo, basic reading and music theory. This six-week course is designed with the beginner in mind.

Instructor: Rich Hawthorne has been a Bay Area guitar instructor for more than 20 years. He is the co-author of “I’ve Always Wanted to Play Guitar.”

Class requirements: Tablet, laptop or desktop computer with internet capability. Must be age 14 or older. Students under 18 must take this class with an adult who has also registered. Each student will need a ukulele. Ukuleles can be purchased from the instructor for $80-$120. To purchase a ukulele, please contact the instructor at least one week before class starts, at rhguitarist@sbcglobal.net.

Cost: $119

Dates and times: Sept. 12, 19 and 26, Oct. 3, 10 and 17 (six Saturdays), 3:30-4:30 p.m.
Astronomy and Science

ASTROPHYSICS FOR EVERYONE (375)
This nontechnical class is for anyone who is curious about the universe. Students will learn about the roles of matter and energy in the underlying structure of the universe and how clouds of gases and dust give rise to stars, planets and solar systems. They will also explore the sun’s power and its life cycle. Additional topics include the Big Bang theory, gravity, exoplanets, galaxies, black holes, supernovae, dark matter and energy. The class will conclude with current theories about the multiverse and the “Theory of Everything.”

**Instructor:** Awanish Mishra holds a bachelor's degree in chemistry with a minor in quantum physics, along with a master's degree in theoretical chemistry.

**Class requirements:** Tablet, laptop or desktop computer with internet capability.

**Cost:** $69

**Dates and times:** Sept. 15 and 22 (two Tuesdays), 6-8 p.m.

EINSTEIN’S THEORY OF RELATIVITY FOR EVERYONE (486)
Einstein’s theories of special and general relativity have stood the test of time for more than 100 years. This class will examine their development and meaning, and the differences between them. Students will review the ways in which popular media address relativity and such topics as time dilation, length contraction and the speed of light. Although these concepts are complex, relativity is an exciting and elegant subject that can be explained in a nontechnical way.

**Instructor:** Awanish Mishra holds a bachelor's degree in chemistry with a minor in quantum physics, along with a master's degree in theoretical chemistry.

**Class requirements:** Tablet, laptop or desktop computer with internet capability. Must be age 14 or older. Students under 18 must take this class with an adult who has also registered.

**Cost:** $69

**Date and time:** Oct. 13 and 20 (two Tuesdays), 6-8 p.m.

QUANTUM MECHANICS FOR EVERYONE (440)
Quantum mechanics is a branch of physics that explains how things work. It provides a set of laws that are believed to govern the behavior of everything in the physical universe. For more than a century, it has been an effective key to understanding all kinds of things encountered in daily life. The class will explore this elegant and exciting subject in a nontechnical, nonmathematical way.

**Instructor:** Awanish Mishra holds a bachelor's degree in chemistry with a minor in quantum physics, along with a master's degree in theoretical chemistry.

**Class requirements:** Tablet, laptop or desktop computer with internet capability. Must be age 14 or older. Students under 18 must take this class with an adult who has also registered.

**Cost:** $69

**Dates and times:** Oct. 13 and 20 (two Tuesdays), 6-8 p.m.

Careers and Technology

**IoT 101: AN INTRODUCTION TO THE INTERNET OF THINGS (489)**
This course introduces the applications and principles behind the Internet of Things (IoT). Students will learn about the infrastructure-related architectures, technologies and protocol frameworks that enable IoT – and the use of these technologies for various applications. Topics include

- An overview of the Internet of Things
- IoT protocols and systems
- Building blocks and real-time IoT products and solutions
- Sensors and hardware for IoT
- Hands-on practice with IoT hardware platforms such as Raspberry Pi and Arduino
- IoT cloud platforms including Microsoft Azure, Amazon Web Services and IBM Bluemix
- Integrating smart objects into IoT frameworks
- Student IoT projects

**Instructor:** Shivakumar Mathapathi is an adjunct professor at Sonoma State University. He has designed study programs and academic syllabi for IoT courses at Santa Clara University and California Polytechnic State University, San Luis Obispo. He has also led a senior design team that developed IoT cloud platforms for smart cities.

**Class requirements:** Tablet, laptop or desktop computer with internet capability.

**Cost:** $299

**Dates and times:** Sept. 17 and 24, Oct. 1, 8, 15, 22, 29 (seven Thursdays), 6-8:30 p.m.
YOU’RE ON THE AIR: HOW TO MAKE IT IN VOICE-OVERS (451)
Successful voice-over artist Lisa Foster will introduce students to the voice-over business. This class will cover opportunities, techniques, income potential, demo reels and how to have reels produced. Students will make practice recordings and hear a critique of their work. This is a business with practically no overhead!
Instructor: Lisa Foster has been the voice for website narrations, computer games, commercials and even comedy bits. She is a well-known radio personality in the Seattle broadcast market.
Class requirements: Tablet, laptop or desktop computer with internet capability. Must be age 14 or older. Students under 18 must take this class with an adult who has also registered.
Cost: $39
Date and time: Oct. 21 (Wednesday), 6-8 p.m.

Enrichment

PARENT SURVIVAL TOOLKIT (540)
This course explains how to create a parent or caregiver toolkit with strategies and resources for successfully supporting a child’s educational, social and emotional needs. The class will learn to plan, construct and use those tools in helping their children with such challenges as homework, classwork, taking tests and reducing stress.
Instructor: Lisa Carrell has taught growth mindset methods since 2006 and received the Silicon Valley Education Foundation’s prestigious “Teacher of the Year” award in 2017. She teaches students from ages 5 to 95 on using these methods to continuously strengthen their abilities and never give up.
Class requirements: Tablet, laptop or desktop computer with internet capability.
Cost: $79
Dates and times: Choose Session 1, 2 or 3
Session 1: July 19 and 26, Aug. 2 (three Sundays), 3-5 p.m.
Session 2: Aug. 23 and 30, Sept. 6 (three Sundays), 3-5 p.m.
Session 3: Sept. 27, Oct. 4 and 11 (three Sundays), 3-5 p.m.

Health and Wellness

HIKING THE PARKS AND TRAILS OF THE SANTA CRUZ MOUNTAINS (107)
Join instructor and guide Tom Taber for a fun and informative course that combines online lectures with weekend field trips. Students will learn about flora, fauna, geology, wildflowers and history while exploring scenic parks and trails. Each excursion will involve walking 4.5-6.5 miles in mountainous terrain. Frequent stops will be made to examine natural and historical features and to sample tasty treats made from native edible plants. Students will visit old-growth redwoods and a beautiful ridgetop at Sam McDonald County Park, cross the San Andreas Fault and a beautiful creek at Monte Bello Preserve, and enjoy beautiful views and a pond at Long Ridge Preserve.
Instructor: Tom Taber is a graduate of the University of California, Davis and author of “The Santa Cruz Mountains Trail Book.”
Class requirements: Must be age 14 or older. Students under 18 must take this class with an adult who has also registered. This course requires moderate physical activity. Students should be able to hike mountainous terrain and walk up to 6.5 miles. The instructor recommends wearing comfortable walking shoes and layered clothing.
Cost: $89
Dates and times: Field trips occurring on Sept. 26, Oct. 10 and 24 (three Saturdays), 10 a.m.-3 p.m. Locations to be announced.
BASIC WRITING CONCEPTS
(Grades 6-8) (552)
Students in this class will learn basic writing concepts and the writing process. From analyzing main ideas, topic sentences, coherence, unity and structures in given paragraphs, students will move to creating their own pieces of writing while working with narrative, descriptive, expository, persuasive and compare-and-contrast paragraphs. The course will include rewriting, editing and revising based on instructor feedback.

Instructor: Bina Barnabas grew up in India, where she earned a bachelor’s degree in education and a master’s in English literature. For more than 40 years, she has taught ranging in age from 5 to 75 in India, Japan and the United States. She especially enjoys teaching language arts to middle-schoolers. She likes to read and play with paper, fabric, needle and thread.

Class requirements: Tablet, laptop or desktop computer with internet capability
Cost: $215

Dates and times: Choose Session 1 or 2
Session 1: Aug. 22 and 29, Sept. 5, 12, 19 and 26, Oct. 3 and 10 (eight Saturdays), 9:30-10:50 a.m.
Session 2: Oct. 17, 24 and 31, Nov. 7, 14 and 21, Dec. 5 and 12 (eight Saturdays; no class on Nov. 28), 9:30-10:50 a.m.

C++ PROGRAMMING – ADVANCED LEVEL
(Grades 5-8 and 9-12) (549)
This course will focus completely on object-oriented programming techniques using C++ with an emphasis on the application of advanced C++ techniques such as classes and objects, file handling, inheritance, virtual function, function overloading, function overriding, polymorphism, exception handling, standard template libraries and abstract data structures. This is an advanced course and presumes that students have extensive background in C++ programming.

Instructor: Pragati Dharmale has taught for more than 12 years in schools and industry, including courses in engineering and programming languages. She has also worked as a senior design engineer for Whirlpool in India, a web and software developer for Resource Navigation in Boston, and a data security processor for Intuit in Tucson.

Class requirements: Tablet, laptop or desktop computer with internet capability
Cost: $215

Dates and times:
Grades 5-8: Oct. 17, 24 and 31, Nov. 7, 14 and 21, Dec. 5 and 12 (eight Saturdays; no class on Nov. 28), 11 a.m.-12:20 p.m.
Grades 9-12: Oct. 17, 24 and 31, Nov. 7, 14 and 21, Dec. 5 and 12 (eight Saturdays; no class on Nov. 28), 9:30-10:50 a.m.
Creating Art Like the Masters (Grades 7-12) (430)
This course reviews eight renowned art masters from art history – including Matisse, Picasso and O’Keeffe. Students will be encouraged to imitate the style of each artist, as taught in class, and to experiment with each artist’s techniques while developing a masterpiece of their own. No art experience is required.
Instructor: Viviana Leija-Sysak is a visual artist who has worked in television production and as an art instructor in a variety of media, from drawing to video animation.
Class requirements: Tablet, laptop or desktop computer with internet capability; two digital apps (available free for download after registration). A digital stylus is suggested, but not mandatory.
Cost: $165
Dates and times: Choose Session 1 or 2
Session 1: Aug. 22 and 29, Sept. 5, 12, 19 and 26, Oct. 3 and 10 (eight Saturdays), 9:30-10:30 a.m.
Session 2: Oct. 17, 24 and 31, Nov. 7, 14 and 21, Dec. 5 and 12 (eight Saturdays; no class on Nov. 28), 9:30-10:30 a.m.

Drawing and Animation – Beginning to Intermediate Level (Grades 3-6 and 7-12) (544)
This class will introduce students to skills they can use in both drawing and animation. Students will get to draw their own cool characters and learn to animate them as well. The class will explore such concepts as expression and proportion for drawing, along with sequence and speed for animation. No drawing or animating experience necessary.
Instructor: Viviana Leija-Sysak is a visual artist who has worked for television production companies and as an art instructor in a variety of media, from drawing to video animation.
Class requirements: Tablet, laptop or desktop computer with internet capability; two digital apps (available free for download after registration). A digital stylus is suggested, but not mandatory.
Cost: $165
Dates and times: Grades 3-6: choose Session 1 or 2
Session 1: Aug. 22 and 29, Sept. 5, 12, 19 and 26, Oct. 3 and 10 (eight Saturdays), 6-7 p.m.
Session 2: Oct. 17, 24 and 31, Nov. 7, 14 and 21, Dec. 5 and 12 (eight Saturdays; no class on Nov. 28), 6-7 p.m.

Drawing and Painting Studio (Grades 6-9) (7603)
Students will learn and practice classical and contemporary drawing and painting techniques. Students also will strengthen observational and creative thinking, sharpen rendering skills and gain confidence in their artistic abilities. Lessons will include multipoint perspective, depicting shadow and light sources as well as creating engaging content and narratives. This course is offered through the Euphrat Museum of Art.
Instructor: Lydia Sanchez is a museum and classroom art educator who teaches art in the Cupertino Union School District, at West Valley and Muir Elementary Schools, and the Euphrat Museum of Art. She encourages children and youth to use their imaginations and express their own ideas about the world around them.
Class requirements: Tablet, laptop or desktop computer with internet capability; see the online registration listing for other supplies needed.
Cost: $240
Dates and times: Sept. 22 and 29, Oct. 6, 13, 20 and 27, Nov. 3, 10, 17 and 24, Dec. 1 and 8 (12 Tuesdays), 4:30-5:30 p.m.

Drawing, Painting, and Sculpture (Grades 3-5) (7606)
Students will learn and practice different drawing, painting and sculpture techniques, while strengthening their observational, analytical and creative thinking skills. Instruction will include live demonstrations as students work along from home, along with art games, challenges and lessons on art history. This course is offered through the Euphrat Museum of Art.
Instructor: Anna Fankhauser is a museum and classroom art educator who teaches art in the Cupertino Union School District at John Muir, Collins and Blue Hills Elementary Schools. She has worked at museums in Switzerland and the Cantor Arts Center at Stanford, Euphrat Museum of Art, San Jose Museum of Art and Palo Alto Art Center. Her curriculum has been enriched and inspired by her museum experiences.
Class requirements: Tablet, laptop or desktop computer with internet capability; see the online registration listing for other supplies needed.
Cost: $240
Dates and times: Sept. 22 and 29, Oct. 6, 13, 20 and 27, Nov. 3, 10, 17 and 24, Dec. 1 and 8 (12 Tuesdays), 4-5 p.m.

C++ Programming – Beginning to Intermediate Level (Grades 5-8 and 9-12) (548)
Students in this course will learn the fundamentals of C++ programming in a friendly and supportive environment, using integrated development environments such as Microsoft Visual Studio, and gaining the core skills needed to program any application. Students will become familiar with C++ elements including variables, data types, conditional execution, loops, functions, pointers and structures – while breaking down problems into sub-problems before writing their own programs and integrating input and output, calculations, decision making and loops into a project.
Instructor: Pragati Dharmale has taught for more than 12 years in schools and industry, including courses in engineering and programming languages. She has also worked as a senior design engineer for Whirlpool in India, a web and software developer for Resource Navigation in Boston, and a data security processor for Intuit in Tucson.
Class requirements: Tablet, laptop or desktop computer with internet capability
Cost: $215
Dates and times: Grades 5-8: Aug. 22 and 29, Sept. 5, 12, 19 and 26, Oct. 3 and 10 (eight Saturdays), 11 a.m.-12:20 p.m.
Grades 9-12: Aug. 22 and 29, Sept. 5, 12, 19 and 26, Oct. 3 and 10 (eight Saturdays), 9:30-10:50 a.m.
GROWTH MINDSET AND THE POWER OF YET (Grades 7-10) (495)
Students in this course will learn how to be able to apply a growth mindset as they face challenges and frustrations in their personal and academic lives. Students will learn techniques to succeed in their personal and career goals, both current and future.

Instructor: Lisa Carrell has taught growth mindset methods since 2006 and received the Silicon Valley Education Foundation’s prestigious “Teacher of the Year” award in 2017. She instructs students from ages 5 to 95 on using these methods to continuously strengthen their abilities and never give up.

Class requirements: Tablet, laptop or desktop computer with internet capability
Cost: $79
Dates and times: Oct. 7, 14 and 21 (three Wednesdays), 6-8 p.m.

HTML 5 AND CSS 3 – INTERMEDIATE TO ADVANCED LEVEL
(Grades 3-6 and 7-12) (558)
This class will dive further into the details of web design and web content, using the latest version of the programming language that powers the World Wide Web. Students will learn professional techniques for building responsive webpages, using the essential design and content tools of HTML and CSS.

Instructor: Jasneet Matta has a master’s degree in information technology from Mumbai University and has taught students in grade school through college. She thrives on teaching students to grow socially and academically, while helping them gain self-confidence through motivation and encouragement.

Class requirements: Tablet, laptop or desktop computer with internet capability.
Cost: $215
Dates and times:
Grades 3-6: Oct. 18 and 25, Nov. 1, 8, 15 and 22, Dec. 6 and 13 (eight Sundays; no class on Nov. 29), 9:30-10:50 a.m.
Grades 7-12: Oct. 18 and 25, Nov. 1, 8, 15 and 22, Dec. 6 and 13 (eight Sundays; no class on Nov. 29), 11 a.m.-12:20 p.m.

ILLUSTRATE YOUR OWN STORY
(Grades 3-6) (546)
This class will show students how to write a short story and then use basic drawing skills to illustrate their work, using both traditional and digital media. No previous writing or drawing experience is necessary.

Instructor: Viviana Leija-Sysak is a visual artist who has worked for television production companies and as an art instructor in a variety of media, from drawing to video animation.

Class requirements: Must be age 14 or older; must have an iOS or MacOS device.
Cost: $165
Dates and times: Aug. 18 and 25, Sept. 1, 8, 15, 22 and 29, Oct. 6 (eight Tuesdays), 5-7 p.m.

iOS MOBILE DEVELOPMENT – BEGINNING TO INTERMEDIATE LEVEL
(Ages 14 and up) (551)
This course will teach students how to build amazing iOS mobile apps, including functional prototypes that will be compatible with iPhones and iPads! Students will learn the basics of using Xcode and UI/UX design, while practicing with user interface elements and connecting those elements to code. Students will also be introduced to mobile app design patterns and current topics such as monitoring memory management. Finally, students will learn how to release mobile apps through the Apple App Store.

Instructor: Guillermo Colin has a bachelor’s degree in software engineering from San José State University and has taught for Coding Dojo, De Anza College Academy, and other computer science tutoring programs. He loves coding and developing iOS mobile apps in his spare time, and sharing computer science knowledge with others.

Class requirements: Must be age 14 or older; must have an iOS or MacOS device.
Cost: $215
Dates and times: choose Session 1 or 2
Session 1: Aug. 22 and 29, Sept. 5, 12, 19 and 26, Oct. 3 and 10 (eight Saturdays), 12:30-1:30 p.m.
Session 2: Oct. 17, 24 and 31, Nov. 7, 14 and 21, Dec. 5 and 12 (eight Saturdays; no class on Nov. 28), 12:30-1:30 p.m.
Instructor: Guillermo Colin has a bachelor’s degree in software engineering from San José State University and has taught for Coding Dojo, De Anza College Academy, and other computer science tutoring programs. He loves coding and developing iOS mobile apps in his spare time, and sharing computer science knowledge with others.

Class requirements: Must be age 14 or older; must have an iOS or MacOS device.

Cost: $215

Dates and times: Oct. 13, 20 and 27, Nov. 3, 10 and 17, December 1 and 8 (eight Tuesdays; no class on Nov. 24), 5-7 p.m.

JAVA PROGRAMMING – BEGINNING LEVEL
(Grades 5-8 and 9-12) (420)
This is an introduction to computer programming with the Java language, using object-oriented programming principles. Students will learn about Java primitive and non-primitive data types, control flow constructs, built-in class libraries, and object-oriented programming concepts such as classes, objects, method overloading and encapsulation. Typical assignments will cover built-in and programmer-defined classes, basic input and output operations, and solving programming problems.

Instructor: Eya Badal is a longtime software engineer who is currently pursuing an advanced software engineering degree. She has a knack for making difficult topics understandable.

Class requirements: Tablet, laptop or desktop computer with internet capability

Cost: $215

Dates and times:
Grades 5-8: Aug. 19 and 26, Sept. 2, 9, 16, 23 and 30, Oct. 7 (eight Wednesdays), 4-5:20 p.m.

JAVA PROGRAMMING – INTERMEDIATE LEVEL
(Grades 5-8 and 9-12) (464)
This class is for students who have basic Java programming skills and want to start building real-world applications. Java provides a vast set of tools that can be used for games and websites. This class will include object-oriented programming and some of the advanced tools that are commonly used on Java development projects – including inheritance and abstraction, interfaces, nested classes, regular expressions, collections, dates and I/O.

Instructor: Eya Badal is a longtime software engineer who is currently pursuing an advanced software engineering degree. She has a knack for making difficult topics understandable.

Class requirements: Tablet, laptop or desktop computer with internet capability

Cost: $215

Dates and times:
Grades 5-8: Oct. 17, 24 and 31, Nov. 7, 14 and 21, Dec. 5 and 12 (eight Saturdays; no class on Nov. 28), 9:30-10:50 a.m.
Grades 9-12: Oct. 17, 24 and 31, Nov. 7 and 14, and 21, Dec. 5 and 12 (eight Saturdays; no class on Nov. 28), 11 a.m.-12:20 p.m.

MATLAB ENGINEERING – ADVANCED LEVEL
(Grades 5-8 and 9-12) (554)
Students in this course will learn to create their own programs and advanced GUI applications while working with the MATLAB programming language and computing environment, used widely in fields from engineering and medicine to artificial intelligence. They will learn powerful programming and editing features while creating 2D and 3D graphics, solving algebraic and trigonometric problems, dealing with complex numbers and working with vectors, matrices and graphs.

Instructor: Pragati Dharmale has taught for more than 12 years in schools and industry, including courses in engineering and programming languages. She has also worked as a senior design engineer for Whirlpool in India, a web and software developer for Resource Navigation in Boston, and a data security processor for Intuit in Tucson.

MATLAB ENGINEERING – BEGINNING TO INTERMEDIATE LEVEL
(Grades 5-8 and 9-12) (533)
This course will introduce students to the MATLAB programming language and computing environment, used widely in fields from engineering and medicine to artificial intelligence. Students will learn the fundamentals of MATLAB and its uses.

Instructor: Pragati Dharmale has taught for more than 12 years in schools and industry, including courses in engineering and programming languages. She has also worked as a senior design engineer for Whirlpool in India, a web and software developer for Resource Navigation in Boston, and a data security processor for Intuit in Tucson.

Register now at deanza.augusoft.net
Ahmad Khanssari has taught mathematics from the University of Southern California. He has taught mathematics from the University and has earned two teaching degrees in education and industry. He subsequently earned an MBA and a master’s degree in education and industry. He has taught mathematics for six years.

**Class requirements:** Tablet, laptop or desktop computer with internet capability

**Cost:** $215

**Dates and times:**
- Grades 5-8: Aug. 22 and 29, Sept. 5, 12, 19 and 26, Oct. 3 and 10 (eight Saturdays), 2:30-3:50 p.m.
- Grades 9-12: Aug. 22 and 29, Sept. 5, 12, 19 and 26, Oct. 3 and 10 (eight Saturdays), 1-2:20 p.m.

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**PSAT MATH PREPARATION (Grades 7-9) (541)**

This course will help students develop a personalized plan for PSAT preparation, and provide extensive practice opportunities for the Reading, Writing and Language sections of the PSAT. Students will follow a plan for vocabulary enhancement and use class time to focus on skills development – including evidence-based interpretations, applying context in analysis, and using organization and structure for sentences, passages and essays.

**Instructor:** Jonathan Stiles has a master’s degree in teaching from Bethany University and has earned two teaching credentials. He has taught students in grades 4-12 for more than a decade.


**Cost:** $295

**Dates and times:**
- Session 1: Aug. 22 and 29, Sept. 5, 12, 19 and 26, Oct. 3 and 10 (eight Saturdays), 9:30-11:30 a.m.
- Session 2: Aug. 25 and Sept. 1, 8, 15, 22 and 29, Oct. 6 and 13 (eight Tuesdays), 4-6 p.m.

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**PSAT WRITING AND LANGUAGE PREPARATION (Grades 7-9) (542)**

This course will help students develop a personalized plan for PSAT preparation, and provide extensive practice opportunities for the Reading, Writing and Language sections of the PSAT. Students will follow a plan for vocabulary enhancement and use class time to focus on skills development – including evidence-based interpretations, applying context in analysis, and using organization and structure for sentences, passages and essays.

**Instructor:** Jonathan Stiles has a master’s degree in teaching from Bethany University and has earned two teaching credentials. He has taught students in grades 4-12 for more than a decade.


**Cost:** $295

**Dates and times:**
- Choose Session 1 or 2
  - Session 1: Aug. 22 and 29, Sept. 5, 12, 19 and 26, Oct. 3 and 10 (eight Saturdays), 9:30-11:30 a.m.
  - Session 2: Aug. 25 and Sept. 1, 8, 15, 22 and 29, Oct. 6 and 13 (eight Tuesdays), 4-6 p.m.

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**PYTHON PROGRAMMING – BEGINNING LEVEL (Grades 5-8) (467)**

This course introduces students to basic elements of the Python programming language, including data types, control structures, algorithm development and program design with functions. Students will be defining new object classes, creating interactive applications with buttons, learning about animation and creating an interactive game using Python. The instructor will also cover fundamental principles of object-oriented programming, as well as data and information processing techniques.

**Instructor:** Eya Badal is a longtime software engineer who is currently pursuing an advanced software engineering degree. She has a knack for making difficult topics understandable.

**Class requirements:** Tablet, laptop or desktop computer with internet capability

**Cost:** $215

**Dates and times:**
- Choose Session 1 or 2
  - Session 1: Aug. 22 and 29, Sept. 5, 12, 19 and 26, Oct. 3 and 10 (eight Saturdays), 1:00-2:20 p.m.
  - Session 2: Oct. 17, 24 and 31, Nov. 7, 14 and 21, Dec. 5 and 12 (eight Saturdays; no class on Nov. 28), 1:00-2:20 p.m.

**Instructor:** Pragati Dharmale has taught for more than 12 years in schools and industry, including courses in engineering and programming languages. She has also worked as a senior design engineer for Whirlpool in India, a web and software developer for Resource Navigation in Boston, and a data security processor for Intuit in Tucson.

**Class requirements:** Tablet, laptop or desktop computer with internet capability

**Cost:** $215

**Dates and times:**
- Grades 5-8: Oct. 13, 20 and 27, Nov. 3, 10 and 17, Dec. 1 and 8 (eight Tuesdays; no class on Nov. 24), 4-5:20 p.m.
- Grades 9-12: Oct. 15, 22 and 29, Nov. 5, 12 and 19, Dec. 3 and 10 (eight Thursdays; no class on Nov. 26), 4-5:20 p.m.
PYTHON PROGRAMMING – INTERMEDIATE LEVEL
(Grades 1-4, Grades 5-8 and Grades 9-12) (419)
This course will help students strengthen their skills and build on what they have learned in previous introductory classes. Through practical examples, students will gain a deeper understanding of programming and how it is applied in the real world. Projects will reinforce their understanding of fundamentals while encouraging experimentation and exploration. Students will learn about building a platform and applications using Python installation, variables, operators, strings, lists, tuples and maps, Turtle, drawing, conditional statements, loops, functions, objects and classes.

Instructor: Eya Badal is a longtime software engineer who is currently pursuing an advanced software engineering degree. She has a knack for making difficult topics understandable.

Class requirements: Tablet, laptop or desktop computer with internet capability
Cost: $215

Dates and times:
Grades 1-4: Aug. 22 and 29, Sept. 5, 12, 19 and 26, Oct. 3 and 10 (eight Saturdays), 4:00-5:20 p.m.
Grades 5-8: Aug. 22 and 29, Sept. 5, 12, 19 and 26, Oct. 3 and 10 (eight Saturdays), 2:30-3:50 p.m.
Grades 9-12: Oct. 17, 24 and 31, Nov. 7, 14 and 21, Dec. 5 and 12 (eight Saturdays; no class on Nov. 28), 2:30-3:50 p.m.

Instructor: Pragati Dharmale has taught for more than 12 years in schools and industry, including courses in engineering and programming languages. She has also worked as a senior design engineer for Whirlpool in India, a web and software developer for Resource Navigation in Boston, and a data security processor for Intuit in Tucson.

Class requirements: Tablet, laptop or desktop computer with internet capability
Cost: $215

RASPBERRY PI USING PYTHON PROGRAMMING – BEGINNING TO INTERMEDIATE LEVEL
(Grades 7-12) (547)
Students will explore features of the Raspberry Pi computing device while using Python programming, one of the most popular and widely used computer languages in the world. The course will focus on the fundamentals of circuit building – using electrical components such as LEDs, switches, buzzers, sensors, motors and more. Students will be guided through the software and hardware elements of the Raspberry Pi unit as they install operating systems, prepare software for connecting electronic hardware, and implement a functioning circuit. They will also solve hands-on programming exercises and complete practical real-world projects.

Instructor: Pragati Dharmale has taught for more than 12 years in schools and industry, including courses in engineering and programming languages. She has also worked as a senior design engineer for Whirlpool in India, a web and software developer for Resource Navigation in Boston, and a data security processor for Intuit in Tucson.

Class requirements: Tablet, laptop or desktop computer with internet capability
Cost: $215

Dates and times:
Grades 9-12: Oct. 14, 21 and 28, Nov. 4, 11 and 18, Dec. 2 and 9 (eight Wednesdays; no class on Nov. 25), 5:30-6:50 p.m.

SAT MATHEMATICS
Grades 9-12) (473)
This course will help students prepare for the math section of the SAT, including changes that have been made since the introduction of Common Core State Standards. The instructor will address different types of math questions on the test, while also teaching general skills for success and focusing on each student’s broader purpose and goals. The class will also cover concepts that can be applied to other math classes and everyday life.

Instructor: Arshdeep Shinh has a teaching credential and a master’s degree in instruction and curriculum from the University of Phoenix, as well as a bachelor’s degree in math and physics from Guru Nanak Dev University in India.

Cost: $495

Dates and times: Choose Session 1 or 2
Session 1: (Preparation for the SAT given Oct. 3): Aug. 8, 15, 22 and 29, Sept. 5, 12, 19 and 26 (eight Saturdays), 1-3:50 p.m.
Session 2: (11 Fridays)
Cost: $220
Sept. 25, Oct. 2, 9, 16, 23, and 30, Nov. 6, 13, 20, 4, and Dec. 11, 3:00-4:00 p.m.
Session 2 (Preparation for the SAT given Dec. 5): Oct. 3, 10, 17, 24 and 31, Nov. 7, 14 and 21 (eight Saturdays), 1-3:50 p.m.

Instructor: Ahmad Khanassari has a bachelor’s degree in electrical engineering from San José State University and worked as a system design engineer in the electronics industry. He subsequently earned an MBA and a master’s degree in education from the University of Southern California. He has taught mathematics for six years.

Class requirements: Tablet, laptop or desktop computer with internet capability

Cost: $495

Dates and times (Preparation for the SAT given Nov. 7): Sept. 12, 19 and 26, Oct. 3, 10, 17, 24 and 31 (eight Saturdays), 1-3:50 p.m.

SAT WRITING AND LANGUAGE, READING AND ESSAY (Grades 9-12) (474)

This course will help each student prepare an individualized plan for SAT preparation, while providing extensive opportunities to practice for the Writing and Language, Reading and Essay sections of the test. Students will learn and practice strategies for all types of questions they may encounter. The class also covers planning for vocabulary enhancement and provides class time for skills development, including evidence-based interpretation, applying context in analysis, and understanding organization and structure for sentences, passages and essays.

Instructor: Jonathan Stiles has a master’s degree in teaching from Bethany University and has earned two teaching credentials. He has taught students in grades 4-12 for more than a decade.

Class requirements: Tablet, laptop or desktop computer with internet capability


STUDENT SURVIVAL TOOLKIT (556)

Students in this course will learn how to create a toolkit of strategies and resources they can use to support their educational, social and emotional needs. Students will plan, construct and use these tools to help with such challenges as homework, classwork, taking tests and reducing stress.

Instructor: Lisa Carrell has taught growth mindset methods since 2006 and received the Silicon Valley Education Foundation’s prestigious “Teacher of the Year” award in 2017. She instructs students from ages 5 to 95 on using these methods to continuously strengthen their abilities and never give up.

Class requirements: Tablet, laptop or desktop computer with internet capability

Cost: $79

Dates and times:

Grades 5-8: Sept. 15, 22 and 29 (three Tuesdays), 5-7 p.m.

Grades 9-12: Sept. 17 and 24, Oct. 1 (three Thursdays), 5-7 p.m.

UI/UX AND MOBILE APP DEVELOPMENT – BEGINNING TO INTERMEDIATE LEVEL (Grades 3-6 and 7-12) (559)

This course covers best practices and conventions in UI/UX design, while teaching students to apply them to creating effective and compelling apps. Students will learn the process of UX and mobile app design, while exploring the differences between designing for iOS and Android apps. The class will create mockups and animated prototypes, using such tools as Figma, before creating a small mobile app based on the UI developed in class.

Instructor: Jasneet Matta has a master’s degree in information technology from Mumbai University and has taught students in grade school through college. She thrives on teaching students to grow socially and academically, while helping them gain self-confidence through motivation and encouragement.

Class requirements: Tablet, laptop or desktop computer with internet capability.

Cost: $215

Dates and times:

Session 1 (Preparation for the SAT given Oct. 3): Aug. 8, 15, 22 and 29, Sept. 5, 12, 19 and 26 (eight Saturdays), 9:30 a.m.-12:20 p.m.

Session 2 (Preparation for the SAT given Dec. 5): Oct. 3, 10, 17, 24 and 31, Nov. 7, 14 and 21 (eight Saturdays), 9:30 a.m.-12:20 p.m.

UI/UX AND MOBILE APP DEVELOPMENT – INTERMEDIATE TO ADVANCED LEVEL (Grades 3-6 and 7-12) (560)

Students will dive more deeply into best practices and conventions in UI/UX design as they apply them to create effective and compelling app experiences. The class will cover the process of UX and mobile app design. Students will learn the differences between designing hybrid and native apps, and how to choose the correct strategy for development. The class will also create advanced mockups and animated prototypes for different scenarios and experiences, using such tools as Figma. Finally, students will design a mobile app with user interaction based on the UI created in class.

Instructor: Jasneet Matta has a master’s degree in information technology from Mumbai University and has taught students in grade school through college. She thrives on teaching students to grow socially and academically, while helping them gain self-confidence through motivation and encouragement.

Class requirements: Tablet, laptop or desktop computer with internet capability.

Cost: $215

Dates and times:

Grades 3-6: Aug. 23 and 30, Sept. 6, 13, 20 and 27, Oct. 4 and 11 (eight Sundays), 1-2:20 p.m.

Grades 7-12: Aug. 23 and 30, Sept. 6, 13, 20 and 27, Oct. 4 and 11 (eight Sundays), 2:30-3:50 p.m.

Register now at deanza.augusoft.net

*Use the class number (after each course title) when registering online.
WATERCOLOR WORKSHOP
(Grades 6-9) (7605)
This class will teach students how to process visual information in order to create realistic images. Students will learn to see and render contrasting values, patterns and the shared edges of positive and negative shapes. The class will cover watercolor techniques such as wet on wet, dry brush, and flat, gradated and variegated washes. Cultivating patience and developing a personal style also will be emphasized. This course is offered through the Euphrat Museum of Art.
Instructor: Lydia Sanchez is a visual artist and art instructor working in the Cupertino Union School District, at West Valley and Muir Elementary Schools, and the Euphrat Museum of Art. She encourages children and youth to use their imaginations and express their own ideas about the world around them.
Class requirements: Tablet, laptop or desktop computer with internet capability; see the online registration listing for other supplies needed.
Cost: $220
Dates and times: Sept. 25, Oct. 2, 9, 16, 23 and 30, Nov. 6, 13 and 20, Dec. 4 and 11 (11 Fridays; no class on Nov. 27), 4:30-5:30 p.m.

WEB DEVELOPMENT – BEGINNING LEVEL
(Grades 5-8) (398)
This course is designed to start students on a path toward future studies in web development and design – even if they have little experience or technical knowledge. Students will spend time designing, building and publishing their own websites, as they begin to learn the big three web languages: HTML, CSS and JavaScript. The class will also introduce students to the basics of how the internet works and important concepts of internet safety.
Instructor: Eya Badal is a longtime software engineer who is currently pursuing an advanced software engineering degree. She has a knack for making difficult topics understandable.
Class requirements: Tablet, laptop or desktop computer with internet capability
Cost: $215
Dates and times: Oct. 17, 24 and 31, Nov. 7, 14 and 21, Dec. 5 and 12 (eight Saturdays; no class on Nov. 28), 4-5:20 p.m.

Euphrat classes begin the week of Sept. 21
Register now at deanza.augusoft.net
Visit deanza.edu/euphrat for online events and exhibitions this fall
Registration & Policies

EASY WAYS TO ENROLL
All new students must create a student profile in the registration system before enrolling in a class. If you forget your username or password, you can retrieve it by clicking the “Forgot My Password” link on the sign-in page.

ONLINE: Register online 24/7 with a valid Visa, MasterCard or Discover card. Visit deanza.edu/communityed for information and instructions. If you need technical assistance, please call 408.864.8817 during office hours.

IN PERSON: In-person registration is not currently available. Please register online or call us at 408.864.8817 during office hours should you need assistance.

CLASS CONFIRMATION & TRANSACTION RECEIPTS
Once you create your student profile and enroll in a course, you will receive confirmation and a receipt via email. You can also view the transaction receipt and class confirmation on our online registration system.

MATERIALS & BOOKS
Some classes may require additional materials and or books. Unless otherwise noted, students are responsible for acquiring all materials and or books required for the class.

CAMPUS SECURITY
WEEKDAYS: 408.864.5555
WEEKENDS AND EMERGENCIES: 408.924.8000

CANCELED CLASSES
De Anza College Community Education reserves the right to change or combine courses, programs, presenters and locations. If we cancel a class, you will be notified no later than one business day prior to the start date via telephone or email. A full refund will be issued to your credit card within two weeks of the cancellation.

DROP & REFUND POLICY
If you need to withdraw from a class, you must submit an email request to the Community Education office at least five business days prior to the first class. Holidays and weekends are not considered business days. No phone requests for refunds will be accepted. A $15 processing fee per class will be deducted. Credit card refunds may take up to 30 working days to process. Please email communityeducation@deanza.edu to request a refund.

ELECTRONIC VOUCHERS: If you choose to receive an electronic voucher in lieu of refund, the $15 processing fee will be waived. Vouchers are good for one calendar year from the date of issue.

There are no refunds after the electronic voucher has been processed.

ABSENCES AND FEES: Refunds are not issued for absences nor prorated for late registration. Missed class meetings may not be made up in another class. In order to observe student privacy, online class sessions will not be recorded.

COURSE & PUBLICATION INFORMATION
De Anza College Community Education courses provide lifelong learning opportunities and local recreation. The Community Education Department has made every reasonable effort to ensure that the information in this catalog is accurate.

SIGN LANGUAGE SERVICES
De Anza College is committed to providing sign language interpreting and captioning services for Community Education courses whenever possible, through a partnership with De Anza’s Office of Deaf and Hard of Hearing Services. Requests for interpreting services must be made 30 days in advance of a class starting date. Please email communityeducation@deanza.edu to request services.

ADDITIONAL INFORMATION
De Anza College is committed to equal opportunity regardless of age, gender, marital status, disability, race, color, sexual orientation, religion, national origin or other similar factors for admission to the college, enrollment in classes, student services, financial aid and employment. Instructor’s personal views and statements do not necessarily reflect those of De Anza College.

De Anza College assumes no responsibility for any consequences that may arise from a student’s decision to enter into business or professional arrangements with an instructor outside of the college’s scheduled activity. All instructors are prohibited from entering into business relationships with Community Education students during class.

CONTACT
COMMUNITY EDUCATION OFFICE: De Anza College Learning Center (LC 141), 21250 Stevens Creek Blvd., Cupertino, CA 95014
HOURS: Monday-Friday, 8:30 a.m.-5 p.m. The office is closed to the public through the end of 2020. We will be working during these hours but you will not be able to visit us in person.
PHONE: 408.864.8817
EMAIL: communityeducation@deanza.edu
WEBSITE: deanza.edu/communityed
PLANTARIUM
The Planetarium is located on the De Anza College Campus, behind the Science Center Building next to parking Lot E.
PHONE: 408.864.8814
EMAIL: planetarium@deanza.edu
WEBSITE: deanza.edu/planetarium
PARKING
Summer and fall Community Education classes will meet online only.
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For more information, please visit the Ed2Go Online Instruction center:

ED2GO.COM/FHDA

De Anza's Online Courses:

- 1. SAT/ACT Prep Course Part I
- 2. C# Programming
- 3. Java Programming
- 4. Python 3 Programming
- 5. SQL Programming
- 6. Microsoft Office Value Suite
- 7. Project Management II
- 8. GRE Preparation
- 9. Speed Spanish
- 10. Writing Essentials

SAMPLE COURSE OFFERINGS:

ACCOUNTING & FINANCE
- Accounting Fundamentals I and II
- Business Finance for Non-Finance Personnel
- Crystal Reports
- Microsoft Office Accounting Professional
- Payroll Practice and Management
- Peachtree Accounting
- Personal Finance
- Quickbooks
- Real Estate Investing I and II
- Statistics
- Stock Trading Suite

BUSINESS
- Administrative Assistant Suite
- Catering Professional
- Creating a Successful Business Plan
- Customer Service
- Digital Marketing Suite
- Effective Business Writing
- Entrepreneurship Suite (Project Management and Effective Communication)
- Explore a Career as a Paralegal
- Manager Suite
- Certified Pharmaceutical Sales Representative (exam included)
- Project Management Professional (PMP)
- Project Management Fundamentals Suite
- Public Speaking
- Restaurant Manager
- Sales Training Suite
- Small Business Marketing on a Shoestring
- Start Your Own Business
- Supervision and Management
- Veterinary Assistant with Horse Care
- Children, Parents & Family
- Homeschool with Success
- Managing Life as a Single Parent
- Marriage and Relationships: Keys to Success
- Navigating Divorce
- Ready, Set, Read!
- Response to Intervention: Reading Strategies
- Singapore Math Strategies
- Teaching Students With Learning Disabilities
- Understanding Adolescents

COMPUTING & NETWORKING
- Adobe Acrobat X
- Computer Networking Suite
- CorelDRAW
- Home PC Security
- Linux
- LPI Linux Essentials Exam Prep
- Microsoft Office: Word, Excel, PowerPoint, Access, Project, Publisher
- PC Troubleshooting
- Understanding the Cloud
- Wireless Networking

DATABASE MANAGEMENT & PROGRAMMING
- Ajax, Ruby & Java
- C# Programming Series
- C++
- Creating WordPress Websites
- CSS
- Database Development
- Dreamweaver
- HTML and CSS Series
- Mac, iPhone and iPad Programming
- PHP and MySQL Series
- Python
- Visual Basic Series
- Web Design
- XML

GRAPHICS, VIDEO DESIGN & PHOTOGRAPHY
- 3ds Max
- Adobe Edge Animate
- Adobe Suite (Acrobat, Dreamweaver, Final Cut, Flash, Illustrator, InDesign, Photoshop)
- Lightroom CC
- Movies with Windows XP or Vista
- Photography
- Video Game Design and Development

GRANT WRITING & NONPROFIT MANAGEMENT
- A to Z Grant Writing Series
- Grant Writing Suite
- Intro to Nonprofit Management
- Marketing Your Nonprofit
- Nonprofit Fundraising Essentials
- Nonprofit Suite
- Writing Essentials

HEALTHCARE
- Administrative Dental Assistant
- Optimal Assistant
- Certificate in Energy Medicine
- Certificate in Infectious Diseases and Infection Control
- Certificate in Legal and Ethical Issues in Healthcare
- Certificate in Perinatal Issues
- HIPAA Compliance
- Human Resources for Healthcare Professionals
- Medical Terminology Series
- Physical Therapy Aide
- Spanish for Medical Professionals

HEALTH & WELLNESS
- Certificate in Food, Nutrition and Health
- Certified Professional Life Coach
- Happy and Healthy Pregnancy
- Healthy Living Suite
- Medical Office Basics Suite
- Natural Health and Healing

LANGUAGES
- Easy English I, II and III
- French
- Grammar for ESL
- Italian
- Japanese
- Sign Language
- Speed Spanish I, II and III

PERSONAL ENRICHMENT
- Drawing for the Absolute Beginner
- Merrill Ream Speed Reading
- Genealogy Basics

WRITING & PUBLISHING
- Beginning Writer’s Workshop
- Effective Business Writing
- Fantasy Novel
- Grammar Refresher Series
- Magazine Writing
- Screenwriting
- Write and Publish Your Nonfiction Book
- Write Fiction Like a Pro
- Writing Young Adult Fiction
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